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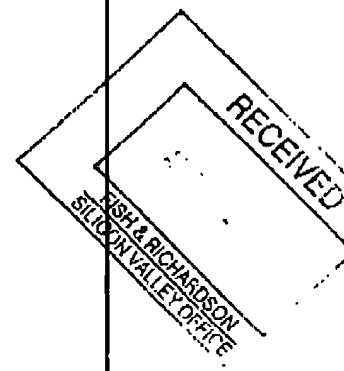
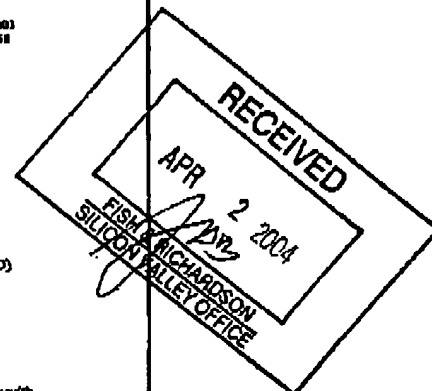
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04/07/2004 13:48 FAX 6508395071		FISH & RICHARDSON		004	
		Attorney's Division No.: 15796-006081 Client's Ref. No.: 0032-150061			
<b>OFFICIAL COMMUNICATION FACSIMILE</b> <b>FOR THE PERSONAL ATTENTION OF:</b> <b>EXAMINER CARLOS R. ORTIZ RODRIGUEZ</b>					
GROUP 2125 FAX NO: 703-746-7239					
Number of pages (including this page) NINE      Art Unit : 2125 Applicant : William E. Bogdan      Examiner : Carlos R. Ortiz Rodriguez Serial No. : 09/249,321 Filed : April 25, 2004 Title : Method and Apparatus for Graphing Motion of Computer Aided Design (CAD) Geometry					
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
Sir: Attached to this facsimile communication cover sheet is a <i>Revocation of Power of Attorney with New Power of Attorney to Prosecute Applications Before the USPTO and Certificate Under 37 CFR §1.73(a)</i> , dated this 2 <sup>nd</sup> day of April, 2004, to Examiner Rodriguez. Brenda Leach Bolder has been given limited recognition under 37 CFR § 10.9(b) as an employee of the Fish & Richardson PC law firm to prepare and prosecute patent applications where the patent applicant is a client of Fish & Richardson PC and the attorney or agent of record in the applications is a registered patentitioner who is a member of Fish & Richardson, which is the case in the present application. A copy of the Limited Recognition document, which expires July 15, 2004, is attached hereto. Please apply any charges or credits to deposit account 06-1050. Respectfully submitted, Date: April 2, 2004  Brenda Leach Bolder Limited Recognition under 37 CFR § 10.9(b)					
Fish & Richardson P.C. 558 Argus Court, Suite 900 Redwood City, California 94061 Telephone: (650) 855-3770 Fax: (650) 855-3071 5630 1512-000					
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04/02/2004 10:32 FAX 6508395071

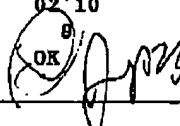
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001

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Attorney's Docket No.: 15786-006001  
Client's Ref. No.: P032-130068

**OFFICIAL COMMUNICATION FACSIMILE****FOR THE PERSONAL ATTENTION OF:****EXAMINER CARLOS R. ORTIZ RODRIGUEZ****GROUP 2125 FAX NO: 703-746-7239**

Number of pages including this page NINE

Applicant : William E. Bogan

Art Unit : 2125

Serial No. : 09/843,321

Examiner : Carlos R. Ortiz Rodriguez

Filed : April 25, 2001

Title : Method and Apparatus for Graphing Motion of Computer Aided Design (CAD) Geometry

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached to this facsimile communication cover sheet is a *Revocation of Power of Attorney with New Power of Attorney to Prosecute Applications Before the USPTO and Certificate Under 37 CFR §3.73(b)*, faxed this 2<sup>nd</sup> day of April, 2004, to Examiner Rodriguez.

Brenda Leeds Binder has been given limited recognition under 37 CFR § 10.9(b) as an employee of the Fish & Richardson PC law firm to prepare and prosecute patent applications wherein the patent applicant is a client of Fish & Richardson PC and the attorney or agent of record in the applications is a registered practitioner who is a member of Fish & Richardson, which is the case in the present application. A copy of the Limited Recognition document, which expires July 16, 2004, is attached hereto.

Please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

Attorney's Docket No.: 15786-006001  
Client's Ref. No.: P032-130068

**OFFICIAL COMMUNICATION FACSIMILE****FOR THE PERSONAL ATTENTION OF:****EXAMINER CARLOS R. ORTIZ RODRIGUEZ****GROUP 2125 FAX NO: 703-746-7239**Number of pages including this page **NINE**

Applicant : William E. Bogan

Art Unit : 2125

Serial No. : 09/843,321

Examiner : Carlos R. Ortiz Rodriguez

Filed : April 25, 2001

Title : Method and Apparatus for Graphing Motion of Computer Aided Design (CAD)  
Geometry

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:


Attached to this facsimile communication cover sheet is a *Revocation of Power of Attorney with New Power of Attorney to Prosecute Applications Before the USPTO and Certificate Under 37 CFR § 3.73(b)*, faxed this 2<sup>nd</sup> day of April, 2004, to Examiner Rodriguez.

Brenda Leeds Binder has been given limited recognition under 37 CFR § 10.9(b) as an employee of the Fish & Richardson PC law firm to prepare and prosecute patent applications wherein the patent applicant is a client of Fish & Richardson PC and the attorney or agent of record in the applications is a registered practitioner who is a member of Fish & Richardson, which is the case in the present application. A copy of the Limited Recognition document, which expires July 16, 2004, is attached hereto.

Please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: April 2, 2004

  
Brenda Leeds Binder  
Limited Recognition under 37 CFR § 10.9(b)

Fish & Richardson P.C.  
500 Arguello Street, Suite 500  
Redwood City, California 94063  
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50208312.doc

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Attorney's Docket No.: 15786-006001  
Client's Ref. No.: P032-130068

**OFFICIAL COMMUNICATION FACSIMILE FOR THE PERSONAL ATTENTION OF:  
EXAMINER CARLOS R. ORTIZ RODRIGUEZ @ FAX NO: 703 - 746 - 9439**

**Number of pages including this page      FOURTEEN**

RE:

**Applicant :** William E. Bogan                      **Art Unit :** 2125  
**Serial No. :** 09/843,321                      **Examiner :** Carlos R. Ortiz Rodriguez  
**Filed :** April 25, 2001  
**Title :** Method and Apparatus for Graphing Motion of Computer Aided Design (CAD) Geometry

**Examiner Rodriguez:**

**This will confirm the telephone interview scheduled for Tuesday, April 27, 2004 @ 11:00 a.m. EDT.**

Attached to this facsimile communication cover sheet are (1) *Limited Recognition under 37 CFR § 10.9(b)*, (2) *Proposed Amendment* and (3) *a copy of a Revocation of Power of Attorney with New Power of Attorney to Prosecute Applications Before the USPTO and Certificate under 37 CFR §3.73(b) [previously faxed April 2, 2004]*, faxed this 7<sup>th</sup> day of April, 2004, to Examiner Rodriguez.

Brenda Leeds Binder has been given limited recognition under 37 CFR § 10.9(b) as an employee of the Fish & Richardson PC law firm to prepare and prosecute patent applications wherein the patent applicant is a client of Fish & Richardson PC and the attorney or agent of record in the applications is a registered practitioner who is a member of Fish & Richardson, which is the case in the present application. A copy of the Limited Recognition document, which expires July 16, 2004, is attached hereto.

**Please apply any charges or credits to deposit account 06-1050.**

Respectfully submitted,

Date: April 7, 2004

Brenda Leeds Binder  
Limited Recognition under 37 CFR § 10.9(b)

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**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATES PATENT AND TRADEMARK OFFICE**

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Brenda Leeds Binder is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of the Fish & Richardson P.C. law firm to prepare and prosecute patent applications wherein the patent applicant is the client of the Fish & Richardson P.C. law firm, and the attorney or agent of record in the applications is a registered practitioner who is a member of the Fish & Richardson P.C. law firm. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Brenda Leeds Binder ceases to lawfully reside in the United States, (ii) Brenda Leeds Binder's employment with the Fish & Richardson P.C. law firm ceases or is terminated, or (iii) Brenda Leeds Binder ceases to remain or reside in the United States on a H1-B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the United States Patent and Trademark Office.

**Expires: July 16, 2004**



Harry I. Moatz

Director of Enrollment and Discipline

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William E. Bogan                      Art Unit : 2125  
Serial No. : 09/843,321                      Examiner : Carlos R. Ortiz Rodriguez  
Filed : April 25, 2001  
Title : METHOD AND APPARATUS FOR GRAPHING MOTION OF  
COMPUTER AIDED DESIGN (CAD) GEOMETRY

PROPOSED AMENDMENT

1. (Currently Amended) A method comprising:  
receiving an assembly of components, where a first component moves relative to a second component;  
receiving a selection of a center of motion for the first component ~~for an assembly of computer aided design (CAD) models of a mechanical design;~~  
receiving a selection of a the first component of the assembly associated with the selected center of motion, where the motion of the first component relative to the second component is defined by reference to the center of motion; *of who?*  
determining a range of motion for the first component;  
receiving a selection of an origin for a grid pattern;  
automatically generating the grid pattern based upon the determined range of motion; and  
automatically displaying the grid pattern at the selected origin.

*the second comp or second motion of second comp*

11. (Currently Amended) A method comprising:  
receiving a selection of a component of an assembly of ~~computer aided design (CAD) models~~ components of a mechanical design, where the component is associated with one or more constraints that define relationships of the component to one or more other components of the assembly;  
determining a range of motion for the component based on the one or more constraints; and  
automatically displaying a grid pattern based upon the determined range of motion for the component.